

San Joaquin Valley Unified Air Pollution Control District

PERMIT UNIT: C-847-3-1

EXPIRATION DATE: 11/30/2000

EQUIPMENT DESCRIPTION:

ENCLOSED TANK COATING APPLICATION PROCESS; APPLYING FIBERGLASS RESIN WITH CHOPPER GUNS, AIRLESS SPRAY GUNS, AND A 10 HP QUINCY MODEL 350 AIR COMPRESSOR; COATING APPLIED WITH APPROVED RULE 4603 METHOD; CONTROLLED BY FABRIC FILTERS.

Permit Unit Requirements

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Daily emissions from the resin coating and painting operations shall not exceed 143.0 pounds of VOC per day. [District NSR Rule] Federally Enforceable Through Title V Permit
5. No coating, except as otherwise stated, with a VOC content in excess of the limits, expressed as grams of VOC per liter of coating applied (less water and exempt compounds), listed in District Rule 4603, 5.1 (as Amended 5/20/93), shall be used. [District Rule 4603, 5.1] Federally Enforceable Through Title V Permit
6. No specialty coating with a VOC content in excess of the limits, expressed as grams of VOC per liter of coating applied (less water and exempt compounds), listed in District Rule 4603, 5.2 (as Amended 5/20/93), shall be used. [District Rule 4603, 5.2] Federally Enforceable Through Title V Permit
7. The permittee shall only use solvents with a VOC content of less than 200 grams of VOC per liter of material for cleanup and surface preparation, excluding cleaning of coating application equipment. [District Rule 4603, 5.4.1] Federally Enforceable Through Title V Permit
8. Closed, non-absorbent containers shall be used for storage and disposal of all solvent-laden cloth, paper, or VOC emitting material. Self-closing containers for the disposal of all uncured polyester resin materials, cleaning materials, or any unused VOC materials shall be used in such a manner as to effectively control VOC emissions. [District Rule 4603, 5.4.2; District Rule 4684, 5.3] Federally Enforceable Through Title V Permit
9. All coatings, resins, catalysts, and solvents shall be stored in closed, non-absorbent containers. [District Rule 4603, 5.4.3; District Rule 4684, 5.3] Federally Enforceable Through Title V Permit
10. The permittee shall not use VOC containing materials for spray equipment clean-up unless an enclosed system or equipment proven to be equally effective is used for cleaning. An enclosed system must enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing, and draining procedures. [District Rule 4603, 5.4.4] Federally Enforceable Through Title V Permit

11. The permittee shall not paint metal parts with any coating application equipment unless one of the methods listed under section 5.5 of District Rule 4603 (as Amended 5/20/93) is used. [District Rule 4603, 5.5] Federally Enforceable Through Title V Permit

12. Each container or accompanying data sheet of any coating shall display the maximum VOC content of the coating, as applied, and after any thinning recommended by the manufacturer. For determination of compliance and enforcement, the VOC content of any coating determined to exceed its applicable limit shall constitute a violation. [District Rule 4603, 6.1] Federally Enforceable Through Title V Permit

13. The operator shall maintain a daily record of the volume of coatings and solvents applied, volume coating/solvent mix ratio, VOC content and chemical constituents of coatings as applied, VOC content and chemical constituents of solvents used for surface preparation and clean up, and the total quantity of VOC emitted in pounds. [District Rule 4603, 6.2; District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

14. VOC content of any coating shall be determined through the use of either product formulation data or analyzed by EPA Method 24 on an annual basis. [District Rule 4603, 6.1 & 6.3] Federally Enforceable Through Title V Permit

15. Only air-less spray devices shall be used to apply resins that contain Volatile Organic Compounds. [District Rule 4684, 5.1.2] Federally Enforceable Through Title V Permit

16. All resins used at this facility shall be of low VOC with the following monomer content: Low VOC resins, except for specialty resins and gel coats, containing no more than 35%; pigmented gel coats containing no more than 45%; and specialty resins and clear gel coats containing no more than 50% by weight monomer. [District Rule 4684, 5.1.1] Federally Enforceable Through Title V Permit

17. Records shall be kept in accordance with section 6.1 of District Rule 4684 Polyester Resin Operations (last amended 5/19/94). [District Rule 4684, 6.1; District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

18. Test methods used for the analysis of cleaning materials and polyester resin materials shall be as follows: the monomer content of uncatalyzed resin materials is to be determined using ASTM D2369-87 or SCAQMD Test Method 312, and the VOC content of cleaning materials shall be determined using EPA Method 24. [District Rule 4684, 6.2; District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

19. Cleaning materials containing more than 1.7 pounds of VOC per gallon shall not be used except in enclosed equipment cleaners, or up to 4 gallons per day to clean molds, spray equipment or other dispensing equipment tools used in gel coat or specialty resin operations that come in direct contact with polyester resin products. [District Rule 4684, 5.2.1] Federally Enforceable Through Title V Permit

20. All filters shall be maintained in good working order. [District Rule 4201] Federally Enforceable Through Title V Permit

21. All painting shall be conducted in an enclosed booth with filters in place, fan(s) operating, and doors closed. [District Rule 4201] Federally Enforceable Through Title V Permit

22. Compliance with permit conditions in the Operating Permit shall be deemed compliance with the following requirements: District Rules 4603 (5/20/93), 4661 (12/17/92), and 4684 (5/19/94); and Fresno County Rule 409. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

23. No person shall solicit or require for use or specify the application of a coating subject to this rule, if such use or application results in a violation of any of the provisions of this rule. The prohibition shall

apply to all written and oral contracts under the terms of which any coating is to be applied to any metal part or product at any physical location within the Distric. [District Rule 4603, 5.6] Federally Enforceable Through Title V Permit